

AMENDMENTS TO THE CLAIMS

Claim 1 (Amended): A method to treat a mammalian subject for a condition benefited by stimulating hair growth which method comprises administering to said mammalian subject in need of such treatment an effective amount of a compound that inhibits proteasomal activity, wherein said compound is a peptidyl aldehyde or a peptidyl epoxy ketone.

Claim 2 (Amended): The method of claim 1, wherein said compound is MG-132, MG-115, or MG-101 (calpain inhibitor 1).

Claims 3-6 (Cancelled)

Claim 7 (Previously presented): The method of claim 1, wherein said subject is a human.

Claim 8. (Previously presented): The method of claim 1, wherein said condition to be treated is selected from the group consisting of male pattern baldness, alopecia caused by chemotherapy, hair thinning due to aging, and genetic disorders.

Claim 9 (Previously presented): The method of claim 1, wherein said subject is a non-human mammal.

Claim 10 (Previously presented): The method of claim 9, wherein said hair growth provides additional protection from cold temperatures.

Claim 11 (Previously presented): The method of claim 1, wherein said hair growth is due to thickened hair sheath diameter, increased hair diameter, differentiation of quiescent hair follicles into more mature forms, increased rate of growth in hair length and/or thickness, or the appearance of proliferation of new hair follicles.

Claim 12 (Previously presented): The method of claim 1, wherein said compound is co-administered with an agent promoting skin tissue growth or infiltration.

Claim 13 (Previously presented): The method of claim 12, wherein said agent is selected from the group consisting of an epidermal growth factor, a fibroblast growth factor, a platelet-derived growth factor, a transforming growth factor, a parathyroid hormone, a leukemia inhibitory factor, and an insulin-like growth factor.

Claim 14 (Canceled)